



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBW5605G00251-3G-1
Job Sheet 200723



Part No: RBW5605G00251-3G-1

Job Qty: 8-pcs **21**
9 pcs 9-89

Part Name: Hook



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 9/17/19

Job Tracking No:

Due Date: 10/7/19

Created By: Jennifer Renwick

Type: SOLD

Description:

Note: DWG RBW5605G00251-3G Rev D IPP Rev A 18.03.23 New issue DP Verify DD/IPP Rev. B 19.06.03 drawing revision DP Verify DD/IPP Rev. C 19.09.13 drawing revision DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
120	SL-154 - 1	8 pcs	10/7/19		0.75	0.40	SL-154 - 1	<i>[Signature]</i> 10/02/25
130	QC 2	8 pcs	10/7/19		0.00	0.00	QC 2 - 1	
							QC 2 - 12	
							QC 2 - 14	
							QC 2 - 17	
							QC 2 - 19	
							QC 2 - 2	
							QC 2 - 20	
							QC 2 - 22	
							QC 2 - 23	
							QC 2 - 25	
							QC 2 - 32	
							QC 2 - 33	<i>[Signature]</i> 19/09/25
							QC 2 - 35	
							QC 2 - 39	
							QC 2 - 4	
							QC 2 - 40	
							QC 2 - 44	
							QC 2 - 45	
							QC 2 - 48	
							QC 2 - 49	
							QC 2 - 50	
							QC 2 - 51	
							QC 2 - 52	
							QC 2 - 57	
							QC 2 - 62	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S217105



Part: RBW5605G00251-3G-1

Job No: 200723

Serial No/Batch: S217105

Revision: D

Inspector:

Exp Date:

Instructions:

Date: 09/25/19

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					QC 2 - 63	
					QC 2 - 8	
					QC 2 - 66	
					QC 2 - 64	
					QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
					QC 2 - 73	
					QC 2 - 69	
					QC 8 - 12	
					QC 8 - 14	
140 QC 8	8 pcs	10/7/19	0.00 0.00		QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 39	
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	B. 19-09-27
					QC 8 - 9	
					QC 8 - 68	
					QC 8 - 67	
					QC 8 - 1 (A)	
					QC 8 - 47	
					QC 8 - 40	
					QC 8 - 52	
					QC 8 - 23	
					QC 8 - 57	
					QC 8 - 76	
150 Small Fab - 2 - B4B	8 pcs	10/7/19	0.00 1.60		Small Fab - 1 - B4B	
					Small Fab - 2 - B4B	
					Small Fab - 3 - B4B	
					Small Fab - 4 - B4B	
					Small Fab - 5 - B4B	
					Small Fab - 6 - B4B	
					Small Fab - 7 - B4B	BL
					Small Fab - 8 - B4B	
160 QC 5	8 pcs	10/7/19	0.00 0.00		QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	

				QC 5 - 58		
				QC 5 - 68		
				QC 5 - 9		
				QC 5 - 50		
				QC 5 - 30		
				QC 5 - 40		DAS SEP 27 2019 40 9-89
				QC 5 - 61		
				QC 5 - 81		
200 Outsource - 12 - Black Oxide 8 pcs	10/7/19			GRO002-VC		2019-10-01
210 Packaging 2-2 - Receive - B4B 8 pcs	10/7/19	0.00 0.00		Packaging 2 - 1 - B4B		
				Packaging 2 - 2 - B4B		
				Packaging 2 - 3 - B4B		
				Packaging 2 - 5 - B4B		OCT 04 2019
				Packaging 2 - 4 - B4B		
				Packaging 2 - 6 - B4B		
				Packaging 2 - 7 - B4B		
				Packaging 2 - 8 - B4B		
				Packaging 2 - 9 - B4B		
				Packaging 2 - 10 - B4B		
				Packaging 2 - 11 - B4B		
				Packaging 2 - 12 - B4B		
				Packaging 2 - 13 - B4B		
				Packaging 2 - 14 - B4B		
				Packaging 2 - 15 - B4B		
				Packaging 2 - 16 - B4B		
				Packaging 2 - 17 - B4B		
				Packaging 2 - 18 - B4B		
				Packaging 2 - 19 - B4B		
				Packaging 2 - 20 - B4B		
				Packaging 2 - 21 - B4B		
				Packaging 2 - 22 - B4B		
				Packaging 2 - 23 - B4B		
				Packaging 2 - 24 - B4B		
				Packaging 2 - 25 - B4B		
				Packaging 2 - 26 - B4B		
				Packaging 2 - 27 - B4B		
				Packaging 2 - 28 - B4B		
				Packaging 2 - 29 - B4B		
				Packaging 2 - 30 - B4B		
				Packaging 2 - 31 - B4B		
				Packaging 2 - 32 - B4B		
				Packaging 2 - 33 - B4B		
				Packaging 2 - 34 - B4B		
				Packaging 2 - 35 - B4B		
				Packaging 2 - 36 - B4B		
220 QC 6 8 pcs	10/7/19	0.00 0.00		QC 6 - 9		
				QC 6 - 68		DAS
				QC 6 - 61		61
				QC 6 - 40		9-89
				QC 6 - 81		
230 Packaging 3-1 - Stock - B4B 8 pcs	10/7/19	0.00 0.00		Packaging 3 - 1 - B4B		
				Packaging 3 - 2 - B4B		
				Packaging 3 - 3 - B4B		
				Packaging 3 - 4 - B4B		
				Plex 9/17/19 11:18 AM Dart.Renwick.Jennifer		

				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
240 QC 21 - SA	8 pcs	10/7/19	0.00 0.00	QC 21 - SA - 21	DWG 21 9-89
				QC 21 - SA - 70	OCT 07 2019
				QC 21 - SA - 53	

Part Op 120 - (MORI SL-154 LATHE) 1-Machine as per folio FC094 FOLIO REV: AA DWG REV: D 2-

Descriptions: Debur

130 - (QC2- Inspect parts off machine FAI/FAIB)

140 - (QC8- Inspect parts - second check)

150 - (Small Fab) 1-Form as per DWG.

160 - (QC5- Inspect part completeness to step on W/O)

200 - -Issue P/O; 44641 -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; O1 -Certificate of Conformity is required

210 - (Receive & Inspect for Damage & Mat'l Certs)

220 - QC6- All purchased or subcontracted products

230 - (Identify as per dwg & Stock Location:)

240 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
8893K165	Tight-Tolerance Multipurpose O1 Tool Steel Rod, 0.1610" Diameter	2.8200 ft (.3525 ea)	120-SL-154 - 1	<u>5216737</u>

Job Allocations

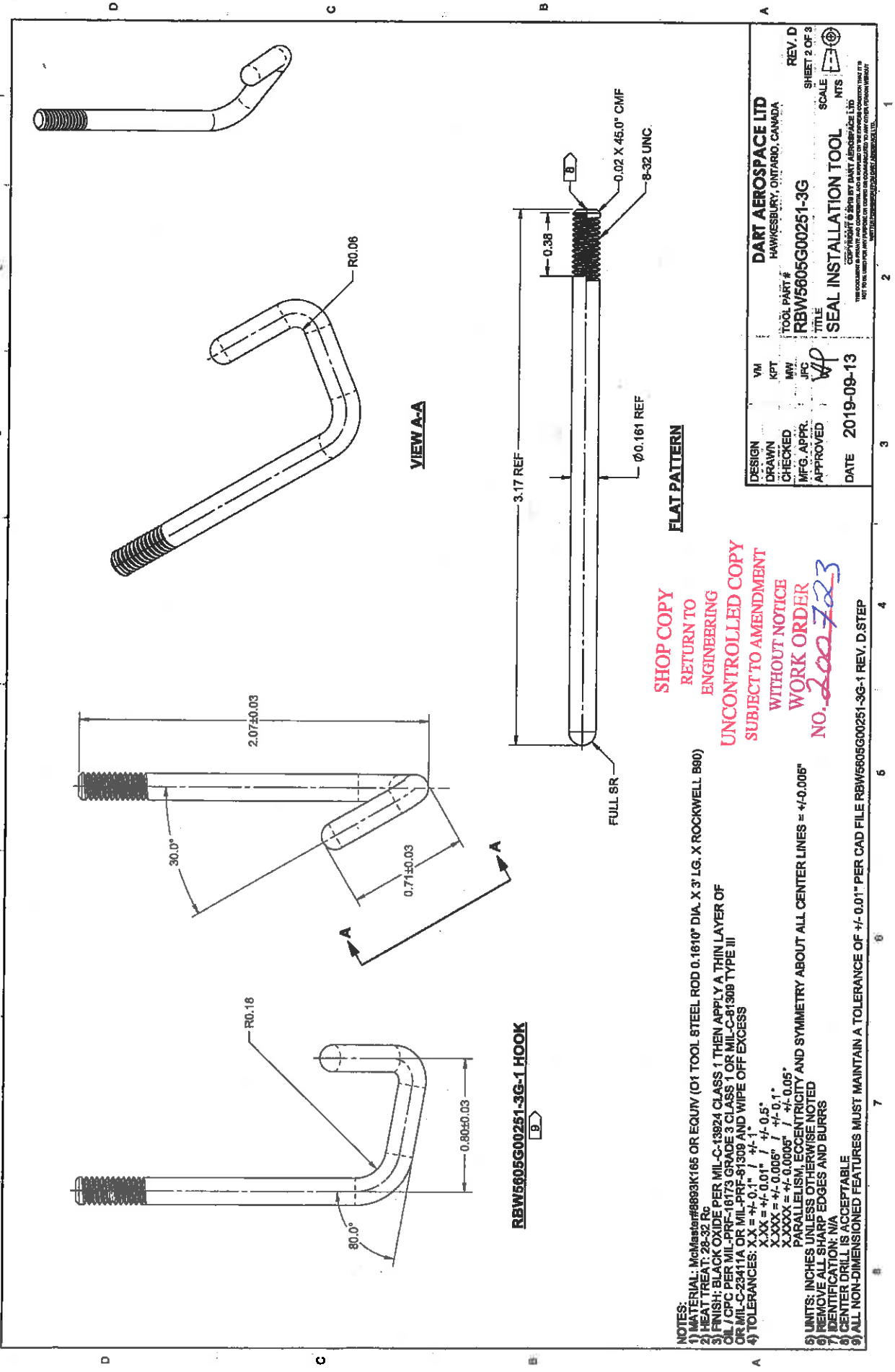
Operation	Component Part	Required	Inventory	Allocated
120-SL-154 - 1	8893K165	3	0	0

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Part Specifications

Specifications could not be found.

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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 200723

- NOTES:
- 1) MATERIAL: McMaster#893K165 OR EQUIV (O1 TOOL STEEL ROD 0.1810" DIA. X 3' LG. X ROCKWELL B90)
 - 2) HEAT TREAT: 28-32 Rc
 - 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-1873 GRADE 3 CLASS 1 OR MIL-C-81308 TYPE III OR MIL-C-23411A OR MIL-PRF-81300 AND WIPE OFF EXCESS
 - 4) TOLERANCES: XX = ± 0.01 / ± 0.5
XXX = ± 0.005 / ± 0.1
XXXX = ± 0.0005 / ± 0.05
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = ± 0.005 "
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES AND BURRS
 - 7) IDENTIFICATION: N/A
 - 8) CENTER DRILL IS ACCEPTABLE
 - 9) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF ± 0.01 " PER CAD FILE RBW5605G00251-3G-1 REV. D STEP

DESIGN	VM	KPT	REV. D
DRAWN			HAWKESBURY, ONTARIO, CANADA
CHECKED			
MFG. APPR.	JFC		TOOL PART #
APPROVED			RBW5605G00251-3G
DATE	2019-09-13		TITLE
			SEAL INSTALLATION TOOL
			SCALE
			NTS
			SHEET 2 OF 3

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
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Job: _____ Part No. _____		DISPOSITION Rework Scrap Use-as-is		DEPARTMENT/PROCESS Skid-tube Machining Cross tube Small Fab Eng. (Non-AW) Prod. Eng. Coord. Rec/Store/Packaging Engineering Water Jet Supplier Quality			
Date : _____		Sequence #: _____		QTY Affected : _____		MRRB (QS1042)	
Description Work Order Deviation				Disposition			
				Completed By			
				Lead hand / Supervisor			
				QC / QA Coordinator			
Root Cause Operator Manufacturing Process Equip/Tooling Handling/Preservation Material Product Improvement Process Improvement Human Factors		FAULT CATEGORY Pressure/Forced Bending Crushing Cracks Crimp/Kink/Ripple/Wave/Twist Marks/Chatter Mislabeled Other/Details: Contamination Misaligned/off center BOM/Route Broken/Damage/Defect Incomplete/Unclear Instructions Drill Holes Fit/Function Power Loss/Surge Folio/Program Grain Direction Weld Wrong Stock Pulled Out of Sequence Off-set/Set-up Positioned Wrong Outside Tolerance Drawing Finish Part Lost/Missing Misread					

INSPECTION SHEET

Major
M.O.W
wire

Engineering Approval:
(If necessary)

H:\FORMS\Quality Assurance\approved QA\Inspection Sheet revB



Dart Aerospace Ltd.
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Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044641



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044641

PO Date: 10/1/19

Due Date: 10/9/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
2019-10-02

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	198410	RB 92700-10310-041-3	Plate -Issue P/O: -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-C-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	10/9/19	4 pcs	0 pcs	4 pcs	\$5.85/pcs	\$23.40
2	200723	RBW5605G00251-3G-1	Hook -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-C-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; O1 -Certificate of Conformity is required	Firmed X9.	-	10/9/19	9 pcs	0 pcs	9 pcs	\$1.34/pcs	\$12.06

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Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	199259	RBST4241-9	Pin -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; -Certificate of Conformity is required	Firmed	-	10/9/19	4 pcs	0 pcs	4 pcs	\$1.34/pcs	\$5.36
4	199142	RBW6522A00231-W142AJ-3T-5B	Cover (Outside Processing - Black Oxide) -Issue P/O to Groupe Altech; PO -Black oxide finish, MIL-C-13924C Class 1 -Certificate of Conformity is required	Firmed	-	10/9/19	2 pcs	0 pcs	2 pcs	\$1.34/pcs	\$2.68
5	199046	RBW6510G05731-6F-1	Base Plate -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	10/9/19	6 pcs	0 pcs	6 pcs	\$7.85/pcs	\$47.10



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Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	199048	RBW6510G05731-6F-3	Reaction Mount -Issue P/O: -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-C-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	10/9/19	6 pcs	0 pcs	6 pcs	\$3.28/pcs	\$19.68
7	199039	RBW6510G04631-6F-8	Bracket Pin -Issue P/O: -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-C-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	10/9/19	15 pcs	0 pcs	15 pcs	\$1.40/pcs	\$21.00
8	200724	RBW5605G00251-3G-2	Shank -Issue P/O: -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-C-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	10/9/19	9 pcs	0 pcs	9 pcs	\$1.53/pcs	\$13.77
Grand Total:										\$145.05	

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K6A 1K7
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PURCHASE ORDER
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Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/2/19 9:16 AM Dart.Guerin.Kimberley

**Certificat de Conformité / Certificate of Compliance**
(022883-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
Tel: 514-335-3666 Fax: 514-335-3868
www.groupaltech.com

Bon de Livraison / Packing Slip**022883 - 1**

Livré à / Ship to

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
BUYER:

Date expédition Ship date		Créé Par Generated By		Transport / No de Compte Courier / Acc. No.		Bon de commande Client Customer Purchase Order No.				
04-Oct-2019		Jigar Patel				POHB044641				
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)		CATG. U/M	Comm. /Ordered	Exp/ Shipped	Quantités / Quantities Qté NC/ NC Qty		Qté Scrap/	À venir / Back Order
2	RBW5605G00251-3G-1 Rev.	RBW5605G00251-3G-1 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS		OXIDE-BLACK CH	9	9	0	0	0	
7	RBW6510G04631-6F-8 Rev.	RBW6510G04631-6F-8 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS		OXIDE-BLACK CH	15	15	0	0	0	
8	RBW5605G00251-3G-2 Rev.	RBW5605G00251-3G-2 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS		OXIDE-BLACK CH	9	9	0	0	0	

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OCT 04 2019

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OCT 04 2019

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OCT 04 2019

DAI AEROSPACE LTD.

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual ThicknessInspecteur Qualité
Quality InspectorRéçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
Our financial and legal responsibility will not be higher than the amount of invoice.